

AMENDMENT TO THE CLAIMS

Please amend the claims as follows.

Please cancel claims 1-82.

Claims 1-82 (cancelled).

Please add the following new claims.

83. (New) A composition for treating hormone imbalance, comprising a therapeutically effective amount of an isoflavone, an isoflavone synergist having a synergistic beneficial effect on the hormone cycle in the presence of said isoflavone, and a methylation support compound for methylation of estrogen metabolites.

84. (New) The composition of claim 83, wherein the isoflavone is derived from a source selected from the group consisting of kudzu root, soy, legumes, alfalfa, clover, and licorice root.

85. (New) The composition of claim 83, wherein the isoflavone is derived from kudzu.

86. (New) The composition of claim 85, wherein the isoflavone comprises 0.2×10^{-4} to 1000×10^{-3} parts by weight.

87. (New) The composition of claim 85, wherein the isoflavone comprises 1×10^{-4} to 500×10^{-3} parts by weight.

88. (New) The composition of claim 85, wherein the isoflavone comprises 2×10^{-3} to 100×10^{-3} parts by weight.

89. (New) The composition of claim 85, wherein the isoflavone comprises 1×10^{-3} to 50×10^{-3} parts by weight.

90. (New) The composition of claim 85, wherein the isoflavone comprises 20×10^{-3} to 80×10^{-3} parts by weight.

91. (New) The composition of claim 85, wherein the isoflavone comprises 10×10^{-3} to 40×10^{-3} parts by weight.

92. (New) The composition of claim 83, wherein the isoflavone synergist is an ingredient selected from the group consisting of curcumin, rosemary extract, and resveratrol.

93. (New) The composition of claim 92, wherein the isoflavone synergist is curcumin.

94. (New) The composition of claim 93, wherein the curcumin comprises about 1×10^{-3} to 5000×10^{-3} parts by weight.

95. (New) The composition of claim 93, wherein the curcumin comprises about 0.5×10^{-3} to 2500×10^{-3} parts by weight.

96. (New) The composition of claim 93, wherein the curcumin comprises about 50×10^{-3} to 500×10^{-3} parts by weight.

97. (New) The composition of claim 93, wherein the curcumin comprises about 25×10^{-3} to 250×10^{-3} parts by weight.

98. (New) The composition of claim 93, wherein the curcumin comprises about 100×10^{-3} to 300×10^{-3} parts by weight.

99. (New) The composition of claim 93, wherein the curcumin comprises about 50×10^{-3} to 150×10^{-3} parts by weight.

100. (New) The composition of claim 92, wherein the isoflavone synergist is resveratrol.

101. (New) The composition of claim 100, wherein the resveratrol comprises about 0.1×10^{-3} to 100×10^{-3} parts by weight.

102. (New) The composition of claim 101, wherein the resveratrol comprises about 0.5×10^{-3} to 50×10^{-3} parts by weight

103. (New) The composition of claim 102, wherein the resveratrol comprises about 0.5×10^{-3} to 10×10^{-3} parts by weight.

104. (New) The composition of claim 92, wherein the isoflavone synergist is rosemary extract.

105. (New) The composition of claim 104, wherein the rosemary extract comprises about 1×10^{-3} to 1000×10^{-3} parts by weight

106. (New) The composition of claim 105, wherein the rosemary extract comprises about 10×10^{-3} to 500×10^{-3} parts by weight.

107. (New) The composition of claim 106, wherein the rosemary extract comprises about 25×10^{-3} to 200×10^{-3} parts by weight.

108. (New) The composition of claim 83, wherein the methylation support compound is an ingredient selected from the group consisting of choline, trimethylglycine, cobalamin and derivatives thereof, and folic acid and derivatives thereof, riboflavin, pyridoxine, and magnesium.

109. (New) The composition of claim 108, wherein the methylation support compound is choline.

110. (New) The composition of claim 109, wherein choline comprises about 0.1×10^{-3} to 750×10^{-3} parts by weight.

111. (New) The composition of claim 110, wherein choline comprises about 1×10^{-3} to 500×10^{-3} parts by weight.

112. (New) The composition of claim 108, wherein the methylation support compound is trimethylglycine.

113. (New) The composition of claim 112, wherein trimethylglycine comprises about 0.1×10^{-3} to 1000×10^{-3} parts by weight.

114. (New) The composition of claim 113, wherein trimethylglycine comprises about 1×10^{-3} to 200×10^{-3} parts by weight.

115. (New) The composition of claim 108, wherein the methylation support compound is cobalamin and derivatives thereof.

116. (New) The composition of claim 115, wherein the derivative is selected from methylcobalamin and cyanocobalamin.

117. (New) The composition of claim 115, wherein cobalamin and derivatives thereof comprises about 2×10^{-3} to 200×10^{-3} parts by weight.

118. (New) The composition of claim 116, wherein cobalamin and derivatives thereof comprises about 5×10^{-3} to 50×10^{-3} parts by weight.

119. (New) The composition of claim 115, wherein cobalamin and derivatives thereof comprises about 2×10^{-6} to 200×10^{-6} parts by weight.

120. (New) The composition of claim 119, wherein cobalamin and derivatives thereof comprises about 5×10^{-6} to 100×10^{-6} parts by weight.

121. (New) The composition of claim 115, wherein cobalamin and derivatives thereof comprises about 0.3×10^{-6} to 1.3×10^{-6} parts by weight.

122. (New) The composition of claim 121, wherein cobalamin and derivatives thereof comprises about to 0.64×10^{-6} parts by weight.

123. (New) The composition of claim 108, wherein the methylation support compound is folic acid or derivatives thereof.

124. (New) The composition of claim 123, wherein folic acid or derivatives thereof comprises about 50×10^{-3} to 5000×10^{-3} parts by weight.

125. (New) The composition of claim 123, wherein folic acid or derivatives thereof comprises about 100×10^{-3} to 1000×10^{-3} parts by weight.

126. (New) The composition of claim 123, wherein folic acid or derivatives thereof comprises about 50×10^{-6} to 5000×10^{-6} parts by weight.

127. (New) The composition of claim 126, wherein folic acid or derivatives thereof comprises about 100×10^{-6} to 1000×10^{-6} parts by weight.

128. (New) The composition of claim 123, wherein folic acid or derivatives thereof comprises about 5.4×10^{-6} to 21.4×10^{-6} parts by weight.

129. (New) The composition of claim 128, wherein folic acid or derivatives thereof comprises about 10.7×10^{-6} parts by weight.

130. (New) The composition of claim 83, further comprising at least one ingredient selected from the group consisting of vitamin, mineral, fortifying amino acid, carotenoid, and flavonoid.

131. (New) The composition of claim 130, wherein the vitamin is at least one vitamin selected from the group consisting of vitamin A, vitamin D, vitamin E, vitamin K, thiamin, riboflavin, niacin, pyridoxine, pantothenic acid, biotin, vitamin C, and derivatives thereof.

132. (New) The composition of claim 130, wherein the mineral is at least one mineral selected from the group consisting of calcium, magnesium, chromium, copper, iodine, iron, phosphorus, molybdenum, selenium, zinc, manganese, sodium, and potassium.

133. (New) The composition of claim 130, wherein the fortifying amino acid is at least one amino acid selected from the group consisting of L-lysine, L-threonine, and N-acetylcysteine.

134. (New) The composition of claim 133, wherein the fortifying amino acid is N-acetylcysteine.

135. (New) The composition of claim 130, wherein the carotenoid is at least one compound selected from the group consisting of lutein, zeaxanthin, β -carotene, and lycopene.

136. (New) The composition of claim 130, wherein the flavonoid is at least one compound selected from the group consisting of quercetin, chrysin, and hesperidin complex.

137. (New) The composition of claim 83, wherein said composition is a medical composition.

138. (New) The composition of claim 83, wherein the medical composition is in a form selected from the group consisting of tablets, capsules, solutions, emulsions, and suspensions.

139. (New) The composition of claim 83, wherein said composition is a medical food.

140. (New) The composition of claim 139, further comprising at least one ingredient selected from the group consisting of protein, carbohydrates and lipids.

141. (New) The composition of claim 140, wherein the protein is selected from the group consisting of rice protein concentration, rice flour, and mixtures thereof.

142. (New) The composition food of claim 140, wherein the carbohydrate is a simple sugar.

143. (New) The composition of claim 140, wherein the carbohydrate is selected from the group consisting of fructose, sucrose, rice syrup solids, xylitol, and α -D-ribofuranose.

144. (New) The composition of claim 140, wherein the lipid is derived from canola oil.

145. (New) The composition of claim 139, further comprising a lipid modulator.

146. (New) The composition of claim 145, wherein the lipid modulator is choline.

147. (New) The composition of claim 140, further comprising at least one ingredient selected from the group consisting of dietary fiber, vitamin, mineral, fortifying amino acid, carotenoid, and flavonoid.

148. (New) The composition of claim 147, wherein the dietary fiber is lignan.

149. (New) The composition of claim 147, wherein the dietary fiber is derived from flaxseed.

150. (New) The composition of claim 139, wherein the composition is in a form selected from the group consisting of powder, dietary bar, and dietary gel.

151. (New) The composition of claim 83, comprising a therapeutically effective amount of an isoflavone, curcumin, choline, and trimethylglycine.

152. (New) The composition of claim 83, comprising a therapeutically effective amount of an isoflavone, curcumin, trimethylglycine, resveretrol and rosemary extract.

153. (New) A composition for treating hormone imbalance, comprising a therapeutically effective amount of an isoflavone, an isoflavone synergist selected from curcumin, rosemary extract and resveratrol, and a methylation support compound for methylation of estrogen metabolites.

154. (New) A composition for treating hormone imbalance, comprising a therapeutically effective amount of an isoflavone, an isoflavone synergist having a synergistic beneficial effect on the hormone cycle in the presence of said isoflavone, and a methylation support compound selected from choline, trimethylglycine, cobalamin and derivatives thereof, folic acid and derivatives thereof, riboflavin, pyridoxine, and magnesium.

155. (New) A composition for treating hormone imbalance, comprising a therapeutically effective amount of an isoflavone, an isoflavone synergist having a synergistic beneficial effect on the hormone cycle in the presence of said isoflavone, and a methylation support compound selected from choline, trimethylglycine, cobalamin, folic acid, riboflavin, pyridoxine, and magnesium.

156. (New) A composition for treating hormone imbalance, comprising a therapeutically effective amount of an isoflavone, an isoflavone synergist selected from curcumin, rosemary extract and resveratrol, and a methylation support compound selected from choline, trimethylglycine, cobalamin, folic acid, riboflavin, pyridoxine, and magnesium.